



RE: NM nutrients progress

Jessup, Benjamin to: Lemon, Shelly, NMENV, Hogan, James,
NMENV, Forrest John, Katie
Flahive, Molloy, Aileen

09/19/2012 07:33 AM

From: "Jessup, Benjamin" <benjamin.jessup@tetrattech.com>
To: "Lemon, Shelly, NMENV" <shelly.lemon@state.nm.us>, "Hogan, James, NMENV"
<James.Hogan@state.nm.us>, Forrest John/R6/USEPA/US@EPA, Katie
Flahive/DC/USEPA/US@EPA, "Molloy, Aileen" <Aileen.Molloy@tetrattech.com>

Thanks Shelly!

Next let's check in again about benthic and periphyton data. Then we
should have everything lined up.

Ben

From: Lemon, Shelly, NMENV [mailto:shelly.lemon@state.nm.us]
Sent: Tuesday, September 18, 2012 4:36 PM
To: Jessup, Benjamin; Hogan, James, NMENV;
John.Forrest@epamail.epa.gov; Flahive.Katie@epamail.epa.gov; Molloy,
Aileen
Subject: RE: NM nutrients progress

Hi Ben.

I cleaned up the missing data (i.e., gold-highlighted cells) from the file I
sent last week and added comments when necessary. I believe that all
stream site information should be provided in this updated
spreadsheet!

I am also providing you with our chlorophyll-a data from 2004-2011. We
do not have associated site info or chem. data, but you can link via
MLOC_ID.

We will be working on collating sonde data next week when people are
back in the office.

Let me know if you have any questions or if I missed anything. Thanks!
Shelly

Shelly Lemon
NMED-Surface Water Quality Bureau
(505) 827-2814

From: Lemon, Shelly, NMENV [mailto:shelly.lemon@state.nm.us]
Sent: Tuesday, September 11, 2012 7:00 PM
To: Jessup, Benjamin; Hogan, James, NMENV;
John.Forrest@epamail.epa.gov; Flahive.Katie@epamail.epa.gov; Molloy,
Aileen
Subject: RE: NM nutrients progress

Hi Ben.

Thanks for the info. Here is an updated spreadsheet. I entered the type of water body (lake, river, stream, WWTP, ephemeral, etc) under "Type?" column, so you should be able to filter STREAM sites this way. I also filled in ALU/DesigUse and Wadeable columns for STREAM sites. "ALUrev2" and "DesigUse" columns should match. I added the WQS Citation/segment if it was blank.

There are some sites highlighted in gold that are not NMED sites and I did not have time to filter through them today to figure out where they fall.

Anyways, take a look and let me know if you have any questions. We will get you the chlorophyll data soon. We can send you the raw DO data as well. Will work on it later this week.

Thank you!
Shelly

Shelly Lemon
NMED-Surface Water Quality Bureau
Monitoring, Assessment and Standards
Acting Program Manager
1190 St. Francis Dr., N2106
Santa Fe, NM 87505
(505) 827-2814

From: Jessup, Benjamin [<mailto:benjamin.jessup@tetrattech.com>]
Sent: Monday, September 10, 2012 1:31 PM
To: Hogan, James, NMENV; John.Forrest@epamail.epa.gov; Lemon, Shelly, NMENV; Flahive.Katie@epamail.epa.gov; Molloy, Aileen
Subject: NM nutrients progress

Hi all;

Here is where I am at with the NM nutrient data. I have received 4 sets of files from NMED. These included 3 different nutrient data sets and 1 crosswalk table. I do not have complete and consistent site information for all the sites. I have attached the monitoring location file appended with unique sites from the other data sets and highlighted with questions. Here are some comments:

1. I made up a location ID for those sites without a StoretID – based on the site name, lat, and long.
2. I matched some sites by lat/long and need to check with NMED if they are the same site with different names (see the field SameSite?)
3. I could not complete the designated use column and have highlighted cells with missing data.

4. I found a few sites with different designations based on the data source (highlighted yellow)
5. I could not complete the wadeable column and have highlighted cells with missing data.
6. Some sites appear to be lakes or effluent and NMED should confirm their use or exclusion (see the field Type?).

I have not yet received the DO or chlorophyll data. The DO sonde data are extensive and we will need to summarize them with metrics such as min, max, range, mean, standard deviation, and percent of records below thresholds. Shelly says this could take a while, so we need to proceed purposefully. This would not be a huge task in Access, and maybe I should get the raw data to set up queries.

The NRSA and WSA data are in good shape already and I could start generating periphyton metrics on the NRSA data.

Thanks!

Ben Jessup | Senior Scientist, Center for Ecological Science
Direct: 802.229.1059 | Fax: 802.223.6551
benjamin.jessup@tetrattech.com | www.ttwater.com

Tetra Tech | Complex World, Clear Solutions

73 Main Street, #38 | Montpelier VT 05602

PLEASE NOTE: This message, including any attachments, may include privileged, confidential and/or inside information. Any distribution or use of this communication by anyone other than the intended recipient is strictly prohibited and may be unlawful. If you are not the intended recipient, please notify the sender by replying to this message and then delete it from your system.